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RAW SEQUENCE LISTING

DATE: 04/11/2001

PATENT APPLICATION: US/09/819,308

TIME: 13:46:35

Input Set : A:\Sequence.ST25.txt

Output Set : N:\CRF3\04112001\I819308.raw

3 <110> APPLICANT: Notchorn, Mathieu
 4 Danen-van Oorschot, Astrid
 5 Rohn, Jennifer
 7 <120> TITLE OF INVENTION: APOPTIN ASSOCIATING PROTEIN
 9 <130> FILE REFERENCE: 2906-43300S
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/819,308
 12 <141> CURRENT FILING DATE: 2001-03-27
 14 <160> NUMBER OF SEQ ID NOS: 46
 16 <170> SOFTWARE: PatentIn version 2.0
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 981
 20 <212> TYPE: DNA
 21 <213> ORGANISM: vector pMT2SM AAP-5
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 26 ccaagggaag gagggggaac caatgcttat cgttatcaca gaggcgagtc gaagctgcag 120
 28 atggtcttgg acatagggaa ttgtcagaga aaagacagaa aaaagacatc ccttggtctc 180
 30 ggaagcagct atcaaatatc agagcatgct ccagaggcat cccagcctgc tgagaacatc 240
 32 tctaaaggac tctacataga agtatatcca gggacctatt ctgtcactgt gggctcaaat 300
 34 gacttaacca agaagactca ttgtgttaga gttgattctg gacaaagcgt ggaactgggc 360
 36 ttccttgtgt gatgttgacc atcactgaca tcaactcacc ttttttlaag taglaaqaal 420
 38 aaagcgaact ttgtattctc ttaatagata tacaattaac ctgttttttag tcttgactgg 480
 40 gtcaagcttc cgggaactgg agtctgtctc tttcagtgct tttttgtttg tttggttggt 540
 42 ttttttllga gacagctctg ctctgttctc caggctggag tgcagtggcg tgatctggcg 600
 44 tcaacgcaag ttcgcctctc cgggttcaaa ccattctctc gctcagcct ccagagtagc 660
 46 tggcaactaca ggcaccggcc accatgcccg gctatttttt ttgtattttt agtagagacg 720
 48 ggggttcaac atgtttggca ggaatggtct gatctcttga cctcgtgac caccacactt 780
 50 ggcctcccaa atgtgttggg ttacaggcgt gagccaccgc gcccggcctc agtgcctttt 840
 52 ttaactttag gttgttaggg tctctcaacc ttgtttgcct gaaagtaata taatgatgct 900
 54 gtcgaacacg gttttaaact ttgttttcca agtaaaaggt aattatgata ataaagagat 960
 56 ttgggccttc gtgcctctga g 981
 59 <210> SEQ ID NO: 2
 60 <211> LENGTH: 126
 61 <212> TYPE: PRT
 62 <213> ORGANISM: vector pMT2SM-AAP-5
 63 <400> SEQUENCE: 2
 64 His Glu Gly Pro Met Ala Glu Phe Met Asp Tyr Thr Ser Ser Cys Cys
 65 1 5 10 15
 66 Gly Lys Tyr Tyr Ser Ser Val Pro Glu Gly Gly Ala Thr His Val
 67 20 25 30
 68 Tyr Arg Tyr His Arg Gly Glu Ser Lys Leu His Met Cys Leu Asp Ile
 69 35 40 45
 70 Gly Asn Gly Gln Arg Lys Asp Arg Lys Lys Thr Ser Leu Gly Pro Gly
 71 50 55 60
 72 Gly Ser Tyr Gln Ile Ser Glu His Ala Pro Glu Ala Ser Gln Pro Ala
 73 65 70 75 80
 74 Glu Asn Ile Ser Lys Asp Leu Tyr Ile Glu Val Tyr Pro Gly Thr Tyr

P.S.
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82          85          90          95
81 Ser Val Thr Val Gly Ser Asn Asp Leu Thr Lys Lys Thr His Val Val
85          100          105          110
84 Ala Val Asp Ser Gly Gln Ser Val Asp Leu Val Phe Pro Val
88          115          120          125
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91 <111> LENGTH: 12
92 <112> TYPE: DNA
93 <113> ORGANISM: pACT-specific primer
94 <400> SEQUENCE: 3
95 taccactaca atggaatc 17
96 <110> SEQ ID NO: 4
100 <111> LENGTH: 15
101 <112> TYPE: PRT
102 <113> ORGANISM: partial AAP-5 clone peptide
103 <400> SEQUENCE:
104 Cys Gly Gly Ala Thr His Val Tyr Arg Tyr His Arg Gly Glu Ser Lys
107 1 5 10 15
108 <110> SEQ ID NO: 5
109 <111> LENGTH: 16
110 <112> TYPE: PRT
111 <113> ORGANISM: partial AAP-5 clone peptide
112 <400> SEQUENCE: 5
113 Gly Asn Gly Gln Arg Lys Asp Arg Lys Lys Thr Ser Leu Gly Pro Cys
117 1 5 10 15
118 <110> SEQ ID NO: 6
119 <111> LENGTH: 16
120 <112> TYPE: PRT
121 <113> ORGANISM: partial AAP-5 clone peptide
122 <400> SEQUENCE: 6
123 Glu His Ala Pro Glu Ala Ser Gln Pro Ala Glu Asn Ile Ser Lys Cys
127 1 5 10 15
128 <110> SEQ ID NO: 7
129 <111> LENGTH: 28
130 <112> TYPE: DNA
131 <113> ORGANISM: AAP-5 5'primer
132 <400> SEQUENCE: 7
133 ggaagcatgg acaactgttt ggaggcgcg 28
134 <110> SEQ ID NO: 8
135 <111> LENGTH: 28
136 <112> TYPE: DNA
137 <113> ORGANISM: AAP-5 3'primer
138 <400> SEQUENCE: 8
139 atgatggcag tgatggtcaa catcacac 28
140 <110> SEQ ID NO: 9
141 <111> LENGTH: 974
142 <112> TYPE: DNA
143 <113> ORGANISM: AAP-5
144 <400> SEQUENCE: 9

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PATENT APPLICATION: US/09/819,308

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Input Set : A:\Sequence.ST25.txt

Output Set : N:\CRF3\04112001\1819308.raw

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153 ctggcgccggc ggcgcgggga gcctagggcc tggctccctct tccctaggata gggttgcgcg      60
156 catgcgcctt gacgagtgag cgggggagcc atggacaact gtctggcggc cgcagcgctg      120
159 aatgggggtgg acgcagcttc cctgcagcgt tcagcaaaagc tggctctaga agtgcctggag      180
162 agggccaaaga ggagggcggt ggactggcat gccctggagc gtcaccaagg ctgcctgggg      240
165 gtccttgcgc gggagggccc ccactcagcg aaacagccgg gacccggccc gacgcgcgtt      300
168 ctcccgggag agagagaaga gagaacccca acccttagtg ctccctcag acaatggct      360
171 gaattcatgg actabacttc aagtcactgt ggaatatc attcatctgt ggcagggaa      420
174 ggaggggaaa ccaatgata tggatctc agtgcact cgcagctgca catgctctta      480
177 gatatagga aggttcagag aaagagctga aaagagat cctctggtcc tggagggagc      540
180 tatcaaatat cagagcagtc tcagagggca tccagccttg ctgagacat ctctaaagac      600
183 ctctacatag aagtatatcc agggacatct tctgtcactg tggctccaaa tgaacttaac      660
186 aagaagactc atgtgttagc agttgattct gga aaagcg tgaactggt ctccctgag      720
189 agatgctgac cctcactgcc atcagcagac cctctcttaa gtaataagaa taagcact      780
192 gbatgattct ctaataagct ataatcaat cct gttctta gttctgactg ggtcagcctt      840
195 ccggaactc ggtctgctct ctttcagaga tttctcttt gtttggtttg tttctctttg      900
198 agacagctc atctcagtc ccagcaga gggaggtt ctt atctcag ctacagaaa      960
199 gttccgcttc cggg                                     974

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199 >10> SEQ ID NO: 10

199 >11> LENGTH: 219

199 >12> TYPE: PRT

199 >13> ORGANISM: open reading frame of AAP-5

199 >14> SEQUENCE: 10

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199 Met Asp Asn Cys Leu Ala Ala Ala Ala Leu Asn Gly Val Asp Arg Arg
199 1 5 10 15
199 Ser Leu Gln Arg Ser Ala Cys Leu Ala Leu Glu Val Leu Glu Arg Ala
199 20 25 30
199 Lys Arg Arg Ala Val Asp Trp His Ala Leu Glu Arg Pro Lys Gly Cys
199 35 40 45
199 Met Gly Val Leu Ala Arg Glu Ala Pro His Leu Glu Lys Gln Pro Ala
199 50 55 60
199 Ala Gly Pro Gln Arg Val Leu Pro Gly Glu Arg Glu Glu Arg Pro Pro
199 65 70 75 80
199 Thr Leu Ser Ala Ser Phe Arg Thr Met Ala Glu Phe Met Asp Tyr Thr
199 85 90 95
199 Ser Ser Gln Cys Gly Lys Tyr Tyr Ser Ser Val Pro Glu Glu Gly Gly
199 100 105 110
199 Ala Thr His Val Tyr Arg Tyr His Arg Gly Glu Ser Lys Leu His Met
199 115 120 125
199 Cys Leu Asp Ile Gly Asn Gly Gln Arg Lys Asp Arg Lys Lys Thr Ser
199 130 135 140
199 Leu Gly Pro Gly Gly Ser Tyr Gln Ile Ser Glu His Ala Pro Glu Ala
199 145 150 155 160
199 Ser Gln Pro Ala Glu Asn Ile Ser Lys Asp Leu Tyr Ile Glu Val Tyr
199 165 170 175
199 Pro Gly Thr Tyr Ser Val Thr Val Gly Ser Asn Asp Leu Thr Lys Lys
199 180 185 190
199 Thr His Val Val Ala Val Asp Ser Gly Gln Ser Val Asp Leu Val Phe
199 195 200 205
199 Pro Val

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335 <210> SEQ ID NO: 11
337 <211> LENGTH: 23
338 <212> TYPE: DNA
339 <213> ORGANISM: AAP-5 #5F
340 <400> SEQUENCE: 11
341 aaattattca tatatgacac agg 23
342 <210> SEQ ID NO: 12
343 <211> LENGTH: 23
344 <212> TYPE: DNA
345 <213> ORGANISM: AAP-5 #5R
346 <400> SEQUENCE: 12
347 cctctggcac aatgaataa tat 23
348 <210> SEQ ID NO: 13
349 <211> LENGTH: 15
350 <212> TYPE: PPT
351 <213> ORGANISM: Peptides used for raising antibodies against AAP-3
352 <400> SEQUENCE: 13
353 ile tyr glu asp ser gly glu arg pro val thr ala gly glu glu
354 1 5 10 15
355 <210> SEQ ID NO: 14
356 <211> LENGTH: 15
357 <212> TYPE: PPT
358 <213> ORGANISM: Peptides used for raising antibodies against AAP-3
359 <400> SEQUENCE: 14
360 asp glu glu val pro asp ser ile asp ala arg glu ile phe asp
361 1 5 10 15
362 <210> SEQ ID NO: 15
363 <211> LENGTH: 15
364 <212> TYPE: PPT
365 <213> ORGANISM: Peptides used for raising antibodies against AAP-3
366 <400> SEQUENCE: 15
367 arg ser ile asp asp pro glu his pro leu thr leu glu glu leu
368 1 5 10 15
369 <210> SEQ ID NO: 16
370 <211> LENGTH: 15
371 <212> TYPE: PPT
372 <213> ORGANISM: Peptides used for raising antibodies against AAP-3
373 <400> SEQUENCE: 16
374 glu glu ser thr pro val his asp ser pro gly lys asp asp ala
375 1 5 10 15
376 <210> SEQ ID NO: 17
377 <211> LENGTH: 15
378 <212> TYPE: PPT
379 <213> ORGANISM: Peptides used for raising antibodies against AAP-3
380 <400> SEQUENCE: 17
381 asp ser phe lys thr lys asp ser phe arg thr ala lys ser lys
382 1 5 10 15
383 <210> SEQ ID NO: 18

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306 <211> LENGTH: 15
307 <212> TYPE: PRT
308 <213> ORGANISM: Peptides used for raising antibodies against AAP-3
309 <400> SEQUENCE: 16
310 116 Asp Ile Asp Ile Ser Ser Arg Arg Arg Glu Asp Gln Ser Leu
311 1 5 10 15
312 <210> SEQ ID NO: 19
313 <211> LENGTH: 6
314 <212> TYPE: PRT
315 <213> ORGANISM: pMT2SM vector containing a Myc tag
316 <400> SEQUENCE: 19
317 616 Glu Glu Lys Leu Ile Ser Glu Glu Asp Leu
318 1 5 10
319 <210> SEQ ID NO: 20
320 <211> LENGTH: 651
321 <212> TYPE: DNA
322 <213> ORGANISM: partial sequence of vector pMT2SM-AAP-3
323 <400> SEQUENCE: 20
324 341 cggatggtag gggggggggg ggtagggggg ggggtctggg agaatgccaa cccctcctc 60
325 342 tggagagct ctggggagag gctgtgtacg gaagggagag aggaaggaga ggttcccgac 120
326 343 ggcatacag cagcagagat cttagatctg attcgttcca taatgaccc ggaatcca 180
327 344 ctgagctag aggagttgaa cgtagttagg caggtgggga tttaggttag cgaacccag 240
328 345 attcaattg ctctgppit cacacacacc attcgcact gcaagatgg cacccttatt 300
329 346 ggtctgtcct taaggttcaa gcttctgcgc tcccttctc aggttttcaa gatggagtg 360
330 347 caccattact cggagaccca tgcctcagag catgcagtga acaagcaact tgcagataag 420
331 348 ggggggtag caacttccct ggagaaacac cactcttgg agattgtgaa taattgctg 480
332 349 taagccctt cctgagctg gcccttgacc cctcaactg catactgggt atctggtcc 540
333 350 caactctgc caaggttgt taccgttgtt tctgtggaat cactcacaaa tgagaaacta 600
334 351 acatttgcct ttgttaata agttaattt atattcaaaa aaaaaaaaaa c 651
335 <210> SEQ ID NO: 21
336 <211> LENGTH: 167
337 <212> TYPE: PRT
338 <213> ORGANISM: partial sequence of vector pMT2SM-AAP-3
339 <400> SEQUENCE: 21
340 361 His Glu Gly Pro Met Val Gly Gly Gly Gly Val Gly Gly Gly Leu Leu
341 1 5 10 15
342 364 Glu Asn Ala Asn Pro Leu Ile Tyr Gln Arg Ser Gly Glu Arg Pro Val
343 20 25 30
344 367 Thr Ala Gly Glu Glu Asp Glu Gln Val Pro Asp Ser Ile Asp Ala Arg
345 35 40 45
346 370 Glu Ile Phe Asp Leu Ile Arg Ser Ile Asn Asp Pro Glu His Pro Leu
347 50 55 60
348 373 Thr Leu Glu Glu Leu Asn Val Val Glu Gln Val Arg Val Gln Val Ser
349 65 70 75 80
350 376 Asp Pro Glu Ser Thr Val Ala Val Ala Phe Thr Pro Thr Ile Pro His
351 85 90 95
352 379 Cys Ser Met Ala Thr Leu Ile Gly Leu Ser Ile Lys Val Lys Leu Leu
353 100 105 110
354 382 Arg Ser Leu Pro Gln Arg Phe Lys Met Asp Val His Ile Thr Pro Gly

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L 470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23

L 473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23

L 476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23

L 482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23

L 485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23